Straw Lumber. ere can be no question that straw ber is admirably adapted to many and counter tops, fine doors, and orna-mental work; and we are assured that it can be produced and sold in competition with the finer grades of pine or in competition with wide walnut, at about one-half the price of the latter. The standard manufacture is in widths of thirty-two inches, a length of twelve feet, and a thickness corresponding to that of surfaced boards. These dimensions may be varied to suit such orders width, length or thickness. Unlike lumber however, narrower widths are the most costly. The straw lumber may be ripped with the hand-saw or the buzzsaw; may be run through the sticker

for the manufacture of moldings, and takes a nail or screw about as well as oak. It may be finished with varnish or with paint, and is susceptible to a high polish. It is practically water and fire-proof, being manufactured under 500 degrees of heat, and we are assured has been boiled for some hours without any apparent change of structure. Its tensile strength is greater than that of walnut or oak, and its weight about one-fifth greater than the former when dry. It is made from any kind of straw, including hemp and flax fiber-in fact from any material that will make pulp -and a ton of straw will produce 1,000 feet of boards. The pulp is rolled into thin sheets, a number of which, corresponding with the thickness of the lumber desired, are placed together with a peculiar cement, which is claimed to be water-proof, and are then rolled under a pressure sufficient to amalgamate

worked with a plane if desired. When it is remembered that it takes one hundred years to grow a tree to maturity, suiting it to commercial purposes -and a tree producing 62-inch lumber will require fully twice that time-while 20,000 feet per acre is a large yield under the most favorable circumstances, it will at once be realized that where 3,000 feet can be taken from an acre of ground for an indefinite number of years, the process which enables such a result to be accomplished, and which will yield a really valuable lumber, is one of vast importance. We look for valuable results in the future in the manufacture of lumber from what is practically a waste material, but which will be produced in endless quantities so long as the United States maintains its character as a grain-producing country.—American Architect.

them into a solid mass, which may be

Rats in Mines.

Old miners have a great respect for neither kill the rats nor suffer them to be killed by green hands. In the first place, were there no other reason, a fall is not rather a misfortune.—Iowa dead rat left underground would scent | State Register. up a whole level, and in the second place, the living rats devour any bones, scraps of meat or fragments of other food left in the mines, which would by their decay, vitiate the air, generally hot and unpleasant at best. Rats alse give warning when a cave is about to occur. They feel the pressure of the sottling ground, even before the cracking of timbers is heard, and come forth upon the floor and scamper uneasily about by miners have a friendly feeling toward the rats, feeding and protecting them. In nearly every mine the men have one or more of the little animals as pets, their holes to be fed at lunch time.

When rats come into a new drift or crosscut it is considered a good sign-is thought to mean that the mine will strike ore. The other day when the men were at work on the face of a new crosscut on the 2,700 level of the Sierra Nevada mine, a rat came in to them, traveling along the line of the compressed-air pipe. When the little rowanted to kill it, but the old miners would not allow it to be hurt. They said it would bring luck to the crosscut. So they fixed up in the roof of the drift a box as a house for the rat, and placed food near at hand in order that it might find its new quarters profitable as well as comfortable. There is much talk among the miners about the coming of this rat, and the men in the new crosscut are very proud of it, and have high hopes on account of its presence. Woe unto the man who shall intentionally kill that Sierra Nevada rat!+Virginia City (Nev.) Enterprise.

The Destructive Custom of the Bannack Tribe.

A Bannack Indian boy, about twelve years of age, met with a horrible death at the flouring mill at Fort Hall Indian Agency, Idaho Territory, last Tuesday.

The boy was filling around the mill at the firm and harmonic time mill at the firm and harmonic to the firm and fi the time, and happened to get in the machinery, and was badly crushed and mangled before he could be taken from the gearing. He died soon afterward. It is the custom of Indians to burn or able, and in consequence corn required destroy all things connected with the death of one of their tribe. For instance, if one meets death by being kicked by a horse, the animal is killed; and if from disease an Indian dies in a wickup or lodge, it is burned. The mill in which this accident occurred was built by the those who planted therety acres of corn and worked it well has reasonable returns, while those who planted thirty-five to fifty acres, in some instances did not raise fifty bushels of corn on the entire field.—Nebraska Farmer. Government at a cost of \$7,000 or \$8,000, and was worth that amount of money. Between six and seven o'clock on the morning of the 6th this mill was discovered to be on fire, and was soon entirely consumed, with a large amount of wheat and flour belonging to the Indians. This grain and flour was worth from \$2,-000 to \$3,000. At the agency there are two tribes of Indians, the Bannacks and Shotribes of Indians, the Bannacks and Sho-shones, and the grain and flour belonged mostly to the latter. From the well-known practice of Indians, which they consider a religious dut; to avenge the death of one of their tribe by a fire or killing, it was natural to place the de-struction of the mill at the hands of the Bannacks, and the Shoshones losing their property has caused a strong feel. their property has caused a strong feeling between the two tribes. oft is not apprehended that this may lead to any serious trouble between the Indians, and yet it may possibly do so.—Salt Lake

Some people object to the practice of feeing waters, but does not the smiling morn tip the hills with gold?—
ing morn tip the hills with gold properties the hill properties the hills with gold properties the hill propert Boston Courier.

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HOME AND FARM.

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-Lard: To keep through hot weather, lard must be well cooked. That is the main thing. Be careful not to scorch it. If you have the facilities, a scratch. That's always the way. The rendering by steam is by far the best method.—Detroit Post.

-For a general-purpose fowl for farmers, the Plymouth Rock is probably the best. They are good layers through the rats of the lower levels. They the year and the young chickens are

-Boiling water should not be used for scalding hogs. An old butcher says its temperature should be from 180 to 200 bill she begins to cry, calls loudly for degrees. If the hogs are small and clean, the former temperature is sufficient. If they are large and dirty and have ice on their bristles, the latter temperature is required.

-It is very important that farm horses be trained to be good walkers. scores. For these and other reasons the A very fast gait can be obtained if proper means are taken. Next to strength, speed is wanted in draught horses. There is no need that teams should crawl along the road or in the and these are quite tame, coming out of furrow at the snail's pace, which is so common. Fast or slow walking is a matter of habit.

-The Mirror and Farmer gives the following recipe for the cure of caked bag in milch cows: "Tincture of arnica, four ounces; tincture of acconite, one ounce; oil glycerine, one ounce. Mix and bathe the bag two or three times daily, rub it in well with your hand; give internally a teaspoonful of dent was seen some of the new hands | the mixture three times a day. Do not feed any grain to the cow.

-Russe Cream: One-half a box of relatine soaked in a little water one-half hour; one quart of milk, one cup of sugar, four eggs. Mix sugar, milk, yolks of eggs and gelatine together; put in a pail, set in a kettle of water and boil twenty minutes. Beat the whites of the eggs stiff and the interval. whites of the eggs stiff and stir into the custard after taking it off the fire. Flavor with vanilla and pour into molds. Serve with sugar and cream or custard.

-Boston Transcript. -Curing Mutton: Mix one pint of sugar, one pint of salt and about a gill of saltpeter together. Take the quarters of the sheep and rub them thoroughly with the hand at each time,

the custom of planting more corn than could be properly tended proved palpably disastrous during the recent corn season. The season was very unfavorespecial care, and as a result the farmer who planted twenty acres of corn and

-When a man is hired for the year, he is entitled to every legal holiday excepting that he must do the necessary work of feeding and caring for the man is hired by the month it is the same. When he is hired by the day he is paid only for the time he works. As regards a man hired by the year, he is expected to over-time when it is neces-

sary, and as an off-et, loses no time in bad weather and holidays .- Clipper. -Paste with Suet: Roll half a pound of the best suet, with very little membrane running through it, on a board for several minutes, removing all the skin and fibers that appear when rolling; the suct will be a pure and sweet shortening, looking like butter; or the suet may be chopped fine and the fibers removed. Rub the suet into a pound of flour, add a teaspoonful of salt, and mix it with a half a pint of ice-water; roll out

Bacteria.

Bacteria have their name from their rod-like shape. They are vegetation so minute as to be visible only by the aid of powerful microscopes. They multi-ply by division, each rod separating into two parts. Then each part speedily becomes a complete whole, but soon divides into two parts.

It will be seen what countless num-bers must result. The view has been extensively adopted that these microscopic vegetations are the actual poison that produces most infectious diseases. Prof. Lionel Beale, F. R. S., knighted for his attainments in microscopy and medicine, is not prepared to accept this. We present a condensed state-

ment of his views. The tongue is constantly covered by whole forests of bacteria. Millions pass into the stomach whenever we swallow. It is the same with all animals. Every vegetable and fruit and leaf also contains countless numbers. So does the air we breathe and the water we drink. All disintegration and decay facilitates the growth of this minute vegetation.

It is certain now, that bacteria in large quantities are constantly passing into the alimentary canal of men and animals without doing harm. There is probably not a part of the body of any one of us, one-quarter of an inch in dimeter, where their germs are not present. So small are they that they pass freely into the substance of every organ. They exist within us, even in the blood, without disturbing us in any way.

In disease their numbers are vastly inreased. "I have seen every part of he stomach, the small and large intesines, filled with curdled milk which, when placed under the microscope, seemed to be almost composed of bacteria. But this probably did not originate the disorder, but resulted from the prior diseased state of the secretions. It s still an open question whether infectious diseases originate from special kind of death-carrying bacteria; or from paricles wholly independent of all such organisms. Though some evidence has been adduced in favor of the first hythesis, many new facts must be discovered before the problem is solved .-Youth's Companion.

-A Pennsylvania man bought two pounds of dynamite to go trout fishing with the other day, and as he thawed it on the stove it went off, tore his house to pieces, scared the neighbors into convulsions and seriously injured his family. The man himself escaped without right man never gets hurt. The fool who points the empty gun always stands at the safe end of it, and this man who

-An ingenious swindle which the exchanges mention is thus conducted: A little girl accosts a man in the street and demands that he return to her the bill which she has just asked him to her money, excites the sympathy of the gathered crowd, and really forces the man to give her a bill as large as the one she claims to have given him. What happens when a penniless man is thus accosted is not yet on record.

-After one black deer had killed another in combat near Petersburg, Va., he was unable to free himself, owing to a locking of horns. For days he dragged his dead foe about with him, and when discovered was so weak and emaciated that his slaughter was an act of

THE Richmond (Va.) State writes: Ex-Mayor J. A. Gentry, Manchester, this State. was cured of rheumatism by St. Jacobs Oil.

The weight of wealth-1,800 pounds to the on. - Boston Commercial Bulletin.

WE know from experience St. Jacobs Oil will cure rheumatism .- Peoria (Ill.) Peorian.

Personal! THE VOLTAIC BELT Co., Marshall, Mich., will send Dr. Dye's Celebrated Electro-Voltaic Belts and Electric Appliances on trial for thirty days to men (young or old) who are af-flicted with nervous debility, lost vitality and

kindred troubles, guaranteeing speedy and complete restoration of health and manly vigor.

Address as above. N. B.—No risk is incurred, as thirty day's trial is allowed. Tom Thumb is a Knight Templar. He is the shortest Knight in the world—shorter even than the night of the 21st of June.

MRS. BROWN SAYS:—Nervous or Dyspeptic Headaches cured by Dr. C. W. Benson's Celery and Chamomile Pills. Dr. Benson's Skin Cure consists of in-ternal and external treatment. Removes humors of all kinds. Perfectly safe.

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A PERPECTLY formed specimen of the tramp yesterday called into a top-floor office on Griswold street, and on being asked his business he replied: "Could you spare half a dollar to a man who wants to re ch Buffaio?" "No, sir." "Could you spare a quarter?" "Not unless he earned it." "Could he earn it?" "Yes, sir. There's a ton of coal at the curbstone which I want brought up here." "A whole ton?" "That's what I paid for." "And four stories high?" "Yes, this is the fourth story." The m.n sighed heavily and was going away when the gentleman called out: "Wel, what do you say!" "I can't promise, sir. I'll walk around the block and consult my feelings as to how bad I want to reach Buffalo. The more I look at that coal the more I think Detroit is the nicest place in the world to winter in."—Detroit Free Press.

"What's In a Name."

"What's in a Name."

"What's in a name, a rose by any other name would smell as sweet." A preparation of Yellow Dock, Sarsaperilla, Juniper, fron, Buchu, Celery and Calisaya, put up from the prescription of that eminent physician, Dr. Guysott, might be called Dr. Guysott's Celery and Calisaya, Dr. Guysott's Buchu and Iron, or Dr. Guysott's Juniper and Sarsaparilla but or Dr. Guysott's Juniper and Sarsaparilla, but it is called "Dr. Guysott's Yellow Dock and Sarsaparilla," and if you are weak, nervous and debilitated, if you suffer from blood impurities, dyspepsia, weak kidneys and general prostration, use this medicine according to directions on each bottle and you will be surprised how strong and well it will make you feel.

A LITTLE girl, some three or four years old, had been corrected by her mother somewhat severely. In the same family was another little girl of three and one-half years, staying temporarily, whose mother was not living. As soon as the two were alone this latter one expressed her sympathy for the culprit as follows: "I'se sorry for 'oo. My mamma is in Heiven. Don't you wish your's was?"-Chicago Tribune.

Honest and Liberal.

When the Hops in each bottle of Hop Bitters (at the present price, \$1.25 per lb.,) cost more than a bottle is sold for, besides the other costly medicines, and the quality and price are kept the same, we think it is houest and liberal in the proprietors, and no one should complain, or buy or use worthless stuff, or cheating bogus imitations because the price is less.

An exchange speaks of a certain railroad as being of the feminine gender because all her trains are behind.

Consumption in its early stages is readily cured by the use of Dr. Pie ce's "Go den Medical Discovery," though, if the lungs are wasted, no medicine will effect a cure. No known remedy possesses such soothing and healing influe ace over all scrofulcus, tuberculous and pulmonary affections as the "Discovery," John Willis, of Elyria, Ohio, writes: "The 'Golden Medical Discovery' does positively cure consumption, as, after trying evtively cure consumption, as, after trying every other medicine in vain, this succeeded."
Mr. Z. T. Phelps, of Cuthbert, Ga., writes:
"The 'Golden Medical Discovery' has cured my wife of bronchitis and incipient consumption." Sold by druggists.

In some places a young man is not thought much of unless he owns a building lot. Out of site, out of mind. -N. O. Picayune.

Dr. Pierce's "Favorite Prescription" is a most powerful restorative tonic, also combining the most valuable nervine properties, espe-cially adapted to the wants of debilitated ladies thawed the nitro-glycerine went out of the house and left his family to watch it.

Rurdette.

Clarity adapted to the wants of debintated latter suffering from weak back, inward fever, congestion, inflammation, or ulceration, or from nervousness or neuralgic pains. By druggists.

KLEPTOMANIA is a very stubborn and far-reaching disease. Its raviges can only be arrested by a policeman. - The Judge.

DYSPERSIA, liver complaint, and kindred affections. For treatise giving successful self-treatment address World's Dispensary Medical Association, Buffalo, N. Y.

When your son comes home with his feet "wringing wet" and says he hasn't been on the ice, it is fair to pronounce his story, like the ice, "too thin."

Henry's Carbolic Salve.

The BEST SALVE in the world for Cuts Bruises, Sores, Ulcers, Salt Rheum, Tetter, Chapped Hands, Chilblains, Corns, and all kinds of Skin Eruptions, etc. Get HENRY'S CARBOLIC SALVE, and take no other.

Some people object to the practice of feeing waiters, but does not the smiling morn tip the hills with gold.—Boston Courier.

". "He who is ready to buy up his enemies will never want a supply of them." It is cheaper to buy a true friend in Kidney-Wort who will drive away those miserable enemies, a torpid liver, constipation, diabetes, piles, d.seased kidneys and bowels. This remedy is now prepared in liquid as well as in dry form.

A NEW book is titled "Short Sayings of Great Men." When are we to have "Great Sayings of Short Men?"—N. Y. News.

•Many a sickly woman, whose sad experience had demonstrated alike the failure of conceited doctors and poisonous drugs, has obtained a new lease of life for a few dollars worth of the Vegetable Compound and has gone on her way rejoicing and praising Mrs. Lydia E. Pinkham, of Lynn, Mass.

MANY of the cigars labeled "Key West" bear a Key-West-ionable resemblance to dried cabbage. - Chicago Tribune.

The wonders of modern chemistry are apparent in the beautiful Diamond Dyes. All kinds and colors of Ink can be made from them.

THE old saw ""fine words butter no pars-nips" is now rendered "elegant diction oleo-margarines no pastinaca edulis."

REDDING's Russia Salve has genuine merit, as all who use it will testify. Price 25c. Try it. To get up a dinner of great variety, cooks should be allowed a wide range.

"Buchupaiba." Quick, complete cure, all annoying Kidney Diseases. \$1.

WHEN a man says "cold as blazes" he means hot as ice. Take him as he means.

DON'T DIE IN THE HOUSE. "Rough on Rats." Clears out rats, mice, roaches, bed-bugs. 15c. FASHIONABLE intelligence-Long dresses nake clean-crossings.

Coughs.—"Brown's Bronchial Troches" will allay the irritation which induces coughing, giving immediate relief. Sold only in boxes.

A MACHINE for pressing hops has recently been invented. America is the home of the D. LOTHROP & Co., Boston, a house that lisplays both wit and enterprise, publish four lelightful pictorial magazines, adapted to various ages. Send for their prospectus.

Hale's Honey of Horehound and Tar s a cure for lung and throat diseases. Pike's oothache drops cure in one minute.

ONE pair of boots or shoes saved every year by using Lyon's Patent Metallic Heel Stiffeners.

IF afficted with Sore Eyes, use Dr. Isaac Thompson's Eye Water. Druggists sellit. 25c. TRY the new brand, "Spring Tobacco."

HAIR Whotesale and retal. Send for price-list. Goods sent C. O. D. Wigs made to order. E. BURNHAM. 71 State Street. Chicago. GENTS WANTED for the Best and Fastest-selling Pictorial Books and Bibles. Prices reduced sper cent. National Publishing Co., St. Louis, Mo. OOK A MONTH-AGENTS WANTED-90 best Selling articles in the world: I sample free Address J. A. Bronson, Detroit, Mich.

Catalogue of '000 Books free to any address. Agents Wanted. Nat'l Book Co., 78 Beekman St., N. Y. SURE CURE for Epilepsy or Fits in 24 hours. Free to poor, Dr. Knuss, 2844 Arsenal St., St. Louis, Mo.

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A JOURNAL OF TRANSPORTATION.

Engineering and Railroad News.

Published at 78 Broadway, New York.

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\$5 to \$20 per day at home. Samples worth \$5 to \$20 per day at home. Samples worth address STINSONE Co., Portland, Me. Send \$240 A. W. Hamilton & Co., Ann Arbor, Mich., for Dr. Chase's Family Physician; sells fast, Agents Wauted. Watson's Interest Tables, \$3.50.

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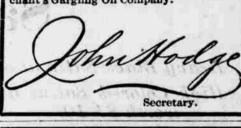
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